

Product datasheet for **RG213248**

CEACAM20 (NM_001102597) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	CEACAM20
Synonyms:	UNQ9366
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >RG213248 representing NM_001102597
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGGCCTGCTGACTCATGGGACACCACTGGATGGGAATCCTGCTTTCAGCCTCGCTTTGTACCGTAT
 GGAGTCTCCAGCTGCAGCCAGCTCACCTCAATGCCAACCACTTGTGCCACCAAGTGAGGATGT
 GTTCTGCCTGTGTTTGGGACCCAGGACACCCAGATTTCATGGCAGATCCAGAGAGCTGGCCAAACCC
 TCCATTGCAGTCAGCCAGGCACTGCCATAGAGCAGAAGGACATGGTGACCTTCTACTGCACCACTAAGG
 ACGTCAACATTACCATCACTGGGTTTCCAACAACCTCTCCGTTGTGTTCCATGAGCGCATGCAGCTGTC
 CAAGGATGGCAAGATCCTCACCATTCTCATTGTCCAGCGGGAGGACTCAGGGACTTACCAATGTGAAGCT
 CGAGATGCCCTTCTGAGCCAGAGGAGCGACCCCATCTTCTGGATGTGAAGTATGGTCTGATCCTGTTG
 AAATCAAAATGGAGTCTGGTGTGCCAGTGGGAGGTGGTTGAGGTGATGGAGGGCTCCAGCATGACCTT
 CTTAGCGGAAACAAAGTCTACCCACCTGTGCCTATACTTGGTTTCTCCTTGACTCCATTCTGTCTCAC
 ACCACGAGAACATTACCATCCATGCTGTGTCCAGAGAACATGAGGGCCTGTACAGGTGCTTGGTGTCCA
 ACAGTGCCACCCACCTGTCCAGCCTGGGTACTCTGAAGGTCCGAGTACTTGAACACTGACCATGCCTCA
 AGTCGTGCCTTCAAGCTGAACCTTGTGGAGAATGTAGGTCTGTGGACCTGACCTGCCAAACCGTCAAT
 CAGAGTGTGAATGTCCAGTGGTTCCTAAGTGCCAGCCCTCCTGCCAGTGAGCACCTGCAGCTGTGAG
 CTGACAAACAGGACCCTAATCATCCATGGCCTCCAGCGGAATGACACGGGGCCCTATGCCTGTGAGGTCTG
 GAACTGGGCGAGCGGGCCGAGTGAGCCCTTGAGCTGACCATCAACTATGGTCTGACCAAGTGCAC
 ATCACCAGGGAGTCGGCATCTGAGATGATCAGCACCATAGAGGCAGAGCTCAACTCCAGCCTGACCTGC
 AGTGTGGGCGAGTCCAAGCCAGGTGCTGAGTATCGCTGGACTCTGAACACTCCACGGGGAGCACCT
 GGGTGAGCAGCTGATTATCAGGGCTGTGACCTGGGAACACGACGGGATCTACAACCTGCACAGCCTCCAAC
 TCTCTCACTGGCCTGGCCCGCTCCACTTCACTGCTGGTCAAGGTGGTAGGTCCCAGTCTCTCCTCCTGT
 CCTCAGGGGCCATCGCTGGTATTGTATCGGGATCCTGGCTGTATTGCTGTGGCCTCAGAACTGGGCTA
 TTTTCTCTACATCAGAAATGCCAGACGGCCCTCAAGGAAACAACAGAGGACCCAGTCATGAGACCTCA
 CAACCTCCCGAAGGAGGAGCACCCACAGAGCCAGTTCGAAAGCCTGAGTCTGAGTATTGCAATA
 TATCCAGCTTCAGGGACGGATCAGAGTCGAACTGATGCAACCACAGACCTTCAGAGGAGACCTATGA
 GACGAAGTGCCTTCAGCAAGCCGTAGAGGCAATTCTTTCAGCCCTGGAAGCCACCAACCAACCTCTG
 ATGCCCCCACTCAGATTGGTCTCCACTGTGCCAAAAACATGGAGTCAATCTATGAGGAGCTTGTAATC
 CAGAGCCCAACACTTACATCCAAATCAACCCCTCCGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA

Protein Sequence: >RG213248 representing NM_001102597
 Red=Cloning site Green=Tags(s)

MGPADSWGHHWMGILLSASLCTVWSPAAAQLTLNANPLDATQSEDVVLVPVFGTPRTPQIHGRSRELAKP
 SIAVSPGTAIEQKDMVTFYCTTKDVNITIHWSNNLSVVFHERMQLSKDGKILITILVQREDSGTQCEA
 RDALLSQRSDPIFLDVKYGPDVPEIKLESGVASGEVVEVMGSSMTFLAETKSHPPCAYTWFLDSILSH
 TTRFTTIIHAVSREHEGLYRCLVSNATHLSSLGTLKVRVLETLTMPQVVPSSLNLVENARSVDLTCQTVN
 QSVNVQWFLSGQPLLPEHLQLSADNRTLIIHGLQRNDTPYACEVWNWGSRRARSEPLELTINYGPDQVH
 ITRESASEMISTIEAELNSSLTLQCWAESKPGAERYRWLEHSTGEHLGEQLIIRALTWEHDGIYNCTASN
 SLTGLARSTSVLVKVVGPQSSSLSSGAIAGIVIGILAVIAVASELYFLYIRNARRPSRKTTEDPSHETS
 QPIPKEEHPTEPSSSLSPEYCNISQLQGRIRVELMQPPDLPEETYETKLPSASRRGNSFSPWKPPPKPL
 MPPLRLVSTVPKNMESIYEELVNPEPNTYIQINPSV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001102597

ORF Size: 1788 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001102597.1](#), [NP_001096067.1](#)

RefSeq Size: 1809 bp

RefSeq ORF: 1791 bp

Locus ID: 125931

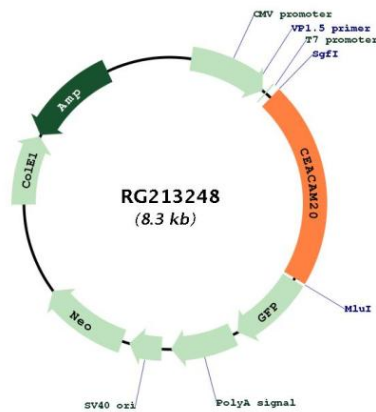
UniProt ID: [Q6UY09](#)

Cytogenetics: 19q13.31

Protein Families: Transmembrane

Gene Summary: Together with the tyrosine-protein kinase SYK, enhances production of the cytokine CXCL8/IL-8 via the NFKB pathway and may thus have a role in the intestinal immune response.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG213248